

Abstract of the Disclosure

A fuel injector for use with an internal combustion engine. The fuel injector comprises a valve group subassembly and a coil group subassembly. The valve group subassembly includes a tube assembly having a longitudinal axis that extends between a first
5 end and a second end; a seat that is secured at the second end of the tube assembly and that defines an opening; an armature assembly that is disposed within the tube assembly; a member that biases the armature assembly toward the seat; an adjusting tube that is disposed in the tube assembly and that engages the member for adjusting a biasing force of the member; a filter that is at least within the tube assembly; and a first attachment portion. The
10 coil group subassembly includes a solenoid coil that is operable to displace the armature assembly with respect to the seat; and a second attachment portion that is fixedly connected to the first attachment portion.